



**Agenda Item Number: 2005-9-9D**

## **BERNALILLO COUNTY BOARD OF COUNTY COMMISSIONERS**

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**Meeting Date:** September 13, 2005

**Department:** Technical Services    **Staff Contact:** Tim West, Deputy County Manager for Public Works  
Roger Paul, Director Tech. Services  
David Bishop, Project Engineer

**TITLE:** Southwest Valley Flood Damage Reduction Study

**ACTION:** Motion to approve the Amendment to the Preliminary Engineering and Design (PED) Agreement between the Department of the Army (Corps of Engineers Albuquerque District) for the design of the Southwest Valley Flood Damage Reduction Study.

### **SUMMARY:**

On January 13, 2004 the Bernalillo County Commission approved the Preliminary Engineering and Design (PED) Agreement between the Corps of Engineers (COE), Bernalillo County, and the Albuquerque Metropolitan Arroyo Flood Control Authority for the design of the Southwest Valley Damage Reduction Study. The design phase of the project requires a 75% Federal to 25% Non-Federal Sponsors cost shares for the design services. Previously, the project costs were projected to be \$818,689 with the Federal cost being approximately \$614,017 and the Non-Federal Sponsors costs being \$204,672. The County's financial obligation under the original PED Agreement was \$102,336 for calendar years 2004 and 2005 with AMAFCA also contributing \$102,336.

Currently, the total project costs are projected to be \$1,774,000 with the Federal cost being approximately \$1,330,500 and the Non-Federal Sponsors cost being \$443,500. This increases the County's financial obligation under the Revised PED Agreement by \$119,414 to a total of \$221,750 for calendar year 2005 and 2006. AMAFCA will be contributing \$221,750, completing the Non-Federal Sponsors cost share.

The project is currently in design with construction scheduled to begin in winter of 2006. The project area is bounded by Coors Boulevard on the west, Bridge Boulevard on the north, the Rio Grande on the east and Metzgar Road SW on the south (Attachment No.1). The project has been separated into two design elements. Element one consists of widening the Isleta and Armijo drains from approximately Rio Bravo Boulevard to Hooper Road which is north of Bridge Boulevard. The drains will be widened to convey the 100-year event for most of the flooding north of Rio Bravo Boulevard, west of Isleta Boulevard, and east of Coors Boulevard. Element two is the Los Padillas Diversion which consists of an earthen channel that will convey flows from the Isleta Drain to the Los Padillas Drain; widening of the Los Padillas Drain to Metzgar Road; and a channel outfall to the Rio Grande. Total project costs are \$19.5 million.

The project will be designed, constructed, and awarded through the COE. The revised PED (Attachment No. 2) details all the estimated costs that will be incurred by the COE, County, and AMAFCA.

**ATTACHMENTS:**

1. Area Map
2. Preliminary Engineering Design Agreement

**FISCAL IMPACT**

Southwest Valley Flood Damage Reduction Study	BC21-538621-8610	\$119,414
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**STAFF ANALYSIS SUMMARY**

**COUNTY MANAGER**

The South Valley Flood Drainage Reduction Study is a coordinated effort between the County, AMAFCA and the Corp of Engineers Albuquerque District. This is a major effort and the proposed amendment to the PED is needed. I recommend Board approval. TL 9/7/05

**DEPUTY COUNTY MANAGER FOR PUBLIC WORKS**

The higher PED costs of almost \$900,000 primarily results from: additional boundary survey requirements for MRGCD rights of way and easements, additional storm drainage for areas near public schools and problem roadway intersections adjacent to the project, and an increase in the project scope to facilitate flood plain removal. Since the approval of the PED in January 2004, the estimated total project cost has increased to \$19.5 million. I recommend approval of the revised PED. TW 9/1/05

**LEGAL**

Approved as to form. JSL 9/6/05

**FINANCE**

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|------------------------|---|
| <b>Budget</b>          | Funding for this project is available from the Storm Drain Bond and budgeted in BC21-538621-8610 in the amount of \$119,414.00.<br>Priscilla L. Gutierrez, Budget Analyst Sr. 9/1/05  |
| <b>Purchasing</b>      | No comment required. R. Suazo, Purchasing Administrator 9/2/05  |
| <b>Contracts</b>       | Contract Control Number 2005-0458 has been issued for the Amendment to the Design Agreement between the Department of the Army and AMAFCA and Bernalillo County for Design of the Southwest Valley Flood Management Reduction Project. R. Suazo, Purchasing Administrator 9/6/205 |
| <b>Risk Management</b> | No comment required. David Baca, Risk Management 9/2/05   |